

Towards Technical Proposal & Safety Report

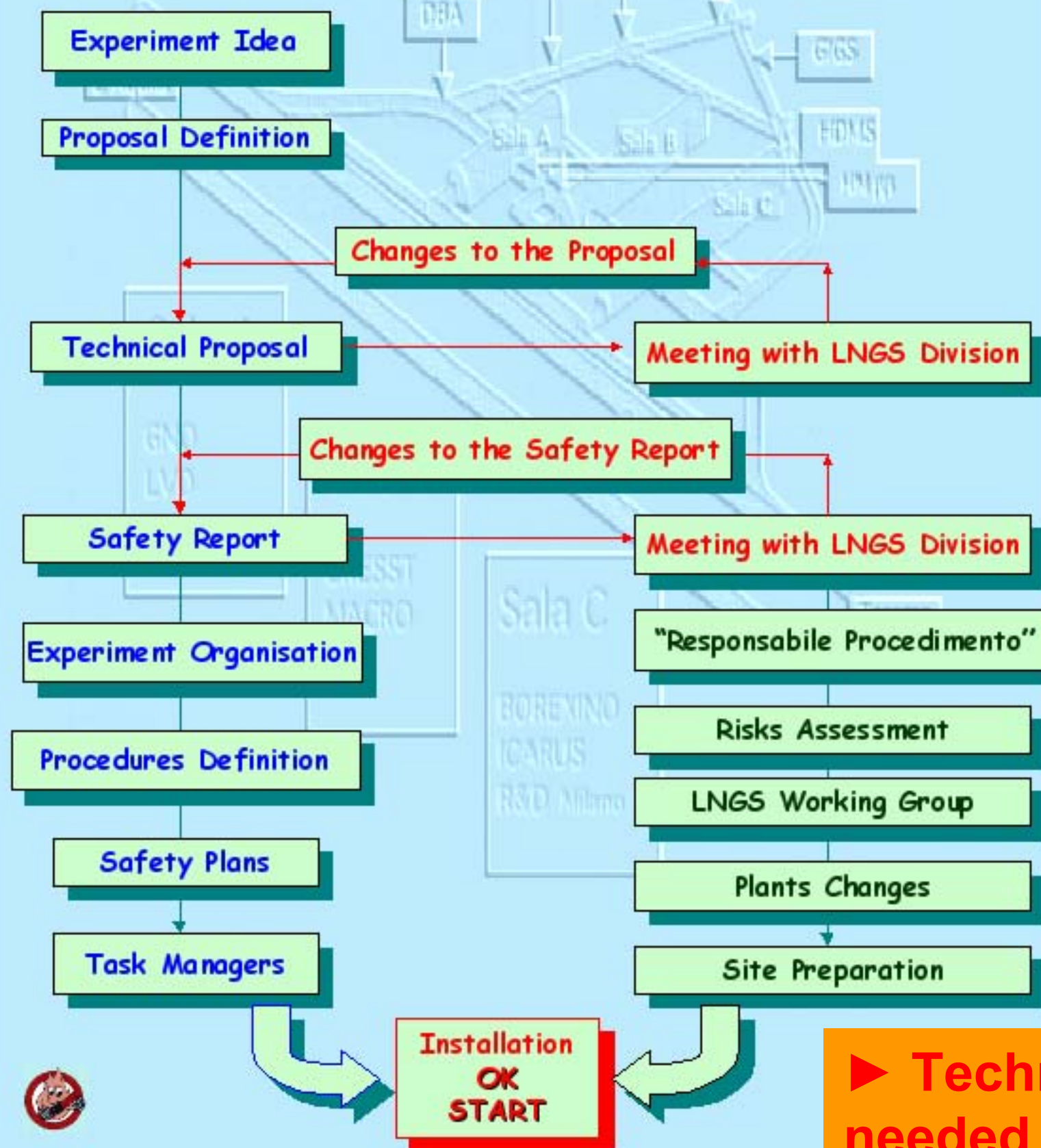
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GERDA collaboration meeting LNGS, February 2005

How to get the OK for GERDA installation?

Safety of the Experimental Apparatus @ LNGS

Flow-chart



iterative procedure

► Technical Proposal needed for Safety Report

Technical Proposal Outline

- **General GERDA Layout**
- **Cryogenic vessel**
- **Lock, detector suspension,...**
- **Water Vessel**
- **Muon Veto System**
- **Electronic Readout**
- **Data Acquisition & Slow Control**
- **Infrastructure**
- **Procedures**

not all relevant for Safety Report

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relevant for Safety Report

Safety Relevant Part of Technical Proposal

- **General GERDA Layout**

location, vessel arrangement, penthouse, lab building,

- **Cryogenic vessel**

design, construction / fabrication details, certificates, instrumentation, safety devices, emergency measures ...

- **Water Vessel**

as above

- **Slow Control (safety relevant parts)**

general layout, status parameters being monitored

- **Infrastructure**

cryogenic storage vessels and supply lines, power, cooling, O₂ monitoring in penthouse, fast drain of water vessel....

- **Procedures**

installation of vessels & time schedule, how to fill, operate, empty

Conclusions & Suggested Action

- Let's start immediately after this meeting!
- TG coordinators will identify editor(s) for respective chapters.
- Technical coordinator will collect and edit all contributions.
- First version of Technical Proposal due by February 18 !!.
Need first version as for getting timely response!
- Remember: Technical Proposal ↔ Safety Report – **iterative effort!**

Task Groups involved:

- TG 4 cryogenic vessel
- TG 5 infrastructure on top
- TG 6 water vessel
- TG 7 infrastructure GERDA
- TG 9 DAQ i.e. slow control